



MOTOR DATA SHEET

Motor type: **Sg112M-2**

Series: **IE1**

08-06-2025

ELECTRICAL PARAMETERS

U	CONN.	f	P		Duty	I	n	T	TL/T	TB/T	IL/I	Efficiency at load [%]			Power factor at load [-]		
V	-	Hz	kW	HP	-	A	rpm	Nm	-	-	-	2/4	3/4	4/4	2/4	3/4	4/4
400	Δ	50	4.0	5.5	S1	7.5	2865	13.33	2.1	2.3	6.4	85.7	86.4	85.4	0.83	0.88	0.90
690	Y	50	4.0	5.5	S1	4.4	2865	13.33	2.1	2.3	6.4	85.7	86.4	85.4	0.83	0.88	0.90

GENERAL DATA

Efficiency class	-	Sound pressure level [dB]	71
Frame size	112	Sound power level [dB]	81
Number of poles	2	Terminal box position	top
Starting method	DOL or Y/Δ	Possibility of terminal box rotation	yes
Insulation class	F	Bearing on D-side	63062Z
Frequency converter supply	yes	Bearing on ND-side	63062Z
Mounting arrangement	IMB3/B5/B35/B14	Bearings regreasing	no
Cooling method	IC411	Housing - material	aluminium
Weight (IMB3) [kg]	34	Feet - material	aluminium
Moment of inertia [kgm ²]	0.0079	Bearing shields - material	cast iron
Direction of rotation	CW/CCW	Painting	RAL5010
Degree of protection	IP55	Climatic execution	N

ENVIRONMENTAL CONDITIONS

Ambient temperature [°C]	up to +40	Altitude above sea level [m]	up to 1000
Relative humidity [%]	up to 95		

ACCESSORY

Number of terminals or cables	6	Temperature sensors in bearings	on demand
Cable glands/inlets	1	Winding heaters	on demand
Temperature sensors in winding	on demand	Optional accessories	on demand

STANDARDS

IEC 60034-1

CERTIFICATES

on demand